

# PATENT ABSTRACTS OF JAPAN

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(21)Application number : 07-305139      (71)Applicant : SAMSUNG AEROSPACE IND LTD  
(22)Date of filing : 30.10.1995      (72)Inventor : NAM SOO-KEUN

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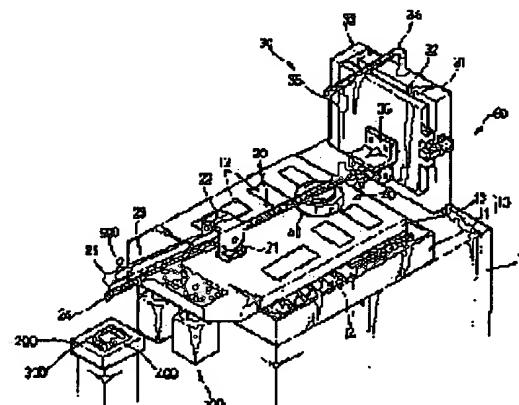
### (30)Priority

## (54) WIRE BONDING APPARATUS

(57) Abstract:

**PROBLEM TO BE SOLVED:** To obtain an apparatus of simple structure whose energy loss due to friction of a driving part is little, by installing an X-Y table constituted of a linear stepping motor, an elevating means for elevating a capillary, and a position detecting means for detecting the movement amount in the X-Y direction.

**SOLUTION:** In this apparatus the following are installed. A frame 1; an X-Y table 10 constituted of a linear stepping motor; a transducer 23 which is arranged on the upper surface of the table to be capable of pivoting, and provided with a capillary 24 on the first end portion; a first elevating means 30 which is installed in the vicinity of the second end portion of the transducer 43, in order to elevate the capillary 24; a second elevating means 40 which is arranged on the X-Y table 10 provided separately from the first elevating means 30 toward the first end portion of the transducer 23, and elevates the capillary 24 at the time of bonding; and first position detecting means 100 which are installed on the frame 1 and the X-Y table 10 and detect the movement amount in the X, Y direction.



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## LEGAL STATUS

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